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1 Iterative unsupervised adaptation using maximum likelihood linear regression
Woodland, P.C.; Pye, D.; Gales, M.J.F.;

Spoken Language, 1996. ICSLP 96. Proceedings., Fourth International Conference on , Volume: 2 , 3-6 Oct. 1996

Pages:1133 - 1136 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(404 KB\)\]](#) IEEE CNF

2 Improvements in linear transform based speaker adaptation
Uebel, L.F.; Woodland, P.C.;

Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). 2001 IEEE International Conference on , Volume: 1 , 7-11 May 2001

Pages:49 - 52 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(396 KB\)\]](#) IEEE CNF

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- L4: (3) speech adj recognition and lattice and adapt\$ and speaker and posteriori
- L5: (26) speech adj recognition and lattice and adapt\$ and speaker and map
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- L7: (30) 3 or 4 or 5
- L8: (0) 2 and 704/250.ccls.
- L2: (101) speech adj recognition and lattice and adapt\$ and speaker
- L9: (0) speech adj recognition and lattice and adapt\$ and speaker and 704/243/245.ccls.
- L10: (12) speech adj recognition and lattice and adapt\$ and speaker and 704/243-245.ccls.
- L11: (30) 704/5.ccls. and affine
- L12: (11) 704/5.ccls. and affine and map
- L13: (1) ("6421641").PN.
- L14: (3) 2 and linear adj regression
- L15: (14) linear adj regression and 704/243-245.ccls.
- L16: (1) linear adj regression and 704/243-245.ccls. and lattice

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linear adj regression and 704/243-245.ccls.
and lattice

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US 5806034 A	19980908	15	Speaker independent speech recognition method utilizing	704/256	704/238; 704/242;	704/244	Naylor, Joe A. et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 5

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6421641

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1			US 6421641 B1	20020716	11	Methods and apparatus for fast adaptation of a	704/250	704/230; 704/249		Huang, Jing et al.							US 6

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704/\$.ccls. and affine and map

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Drafts
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Active
L1: (253) speech adj recognition and lattice
L2: (158) speech adj recognition and lattice and adapt5
L3: (15) speech adj recognition and lattice and adapt5 and N-best
L4: (419) 704/243-245.ccls.
L5: (439) 704/246-250.ccls.
L6: (49) 4 and 5
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1			US 6697778 B1	20040224	21	Speaker verification and speaker identification based	704/243	704/246; 704/247;		Kuhn, Roland et al.																									US
2			US 6691089 B1	20040210	14	User configurable levels of security for a speaker	704/244	704/250; 704/273		Su, Huan-yu et al.																									US
3			US 6633844 B1	20031014	8	Late integration in audio-visual continuous	704/251	345/441; 345/442;		Verma, Ashish et al.																									US
4			US 6587824 B1	20030701	10	Selective speaker adaptation for an in-vehicle speech	704/275	704/243; 704/246		Everhart, Charles Allen et al.																									US
5			US 6574596 B2	20030603	9	Voice recognition rejection scheme	704/249	704/238; 704/240;		Bi, Ning et al.																									US
6			US 6567776 B1	20030520	7	Speech recognition method using speaker cluster models	704/236	704/245; 704/250		Chang, Sen-Chia et al.																									US
7			US 6535851 B1	20030318	24	Segmentation approach for speech recognition systems	704/249	704/245; 704/250		Fanty, Mark et al.																									US
8			US 6526379 B1	20030225	10	Discriminative clustering methods for automatic speech	704/245	704/243; 704/244;		Rigazio, Luca et al.																									US
9			US 6496800 B1	20021217	14	Speaker verification system and method using spoken	704/239	704/243; 704/246		Kong, Byung-goo et al.																									US
10			US 6477493 B1	20021105	19	Off site voice enrollment on a transcription device for	704/246	704/243; 704/245;		Brooks, Brian S. et al.																									US
11			US 6434520 B1	20020813	14	System and method for indexing and querying audio	704/243	704/245; 704/246;		Kanevsky, Dimitri et al.																									US

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MLLR adj adaptation

Drafts

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- L2: (158) speech adj recognition and lattice and adapts
- L3: (15) speech adj recognition and lattice and adapts and N-best
- L4: (419) 704/243-245.ccls.
- L5: (439) 704/246-250.ccls.
- L6: (49) 4 and 5
- L7: (0) lattice and MLLR
- L8: (9) MLLR adj adaptation**

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2	<input type="checkbox"/>	<input type="checkbox"/>	US 6633843 B2	20031014	6	Log-spectral compensation of PMC Gaussian mean vectors	704/233	704/228		Gong, Yifan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
3	<input type="checkbox"/>	<input type="checkbox"/>	US 6456969 B1	20020924	9	Method of determining model-specific factors for	704/234	382/190; 704/240		Beyerlein, Peter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
4	<input type="checkbox"/>	<input type="checkbox"/>	US 6421641 B1	20020716	11	Methods and apparatus for fast adaptation of a	704/250	704/230; 704/249		Huang, Jing et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
5	<input type="checkbox"/>	<input type="checkbox"/>	US 6418411 B1	20020709	6	Method and system for adaptive speech recognition	704/256	704/255		Gong, Yifan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
6	<input type="checkbox"/>	<input type="checkbox"/>	US 6389393 B1	20020514	7	Method of adapting speech recognition models for	704/244			Gong, Yifan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
7	<input type="checkbox"/>	<input type="checkbox"/>	US 6272462 B1	20010807	7	Supervised adaptation using corrective N-best decoding	704/244	704/243		Nguyen, Patrick et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
8	<input type="checkbox"/>	<input type="checkbox"/>	US 6263309 B1	20010717	13	Maximum likelihood method for finding an adapted	704/239	704/231; 704/236		Nguyen, Patrick et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6
9	<input type="checkbox"/>	<input type="checkbox"/>	US 6073096 A	20000606	12	Speaker adaptation system and method based on	704/245	704/255		Gao, Yuqing et al.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	US 6

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